


SECTION 1 : Identification of the substance/mixture and of the company/undertaking

- 1.1 Product Identifier**
 Product Name : Instant Spray Filter Cleaner
 Datasheet Number : SDS036
 Unique Formula Identifier: Q330-30GU-1007-7MQ4
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product category PC37 Water treatment chemicals
 Application of the substance / the mixture Cleaner and degreaser for cartridge filters in hot tubs
- 1.3 Details of the supplier of the safety data sheet**
 Name of Supplier Plastica Ltd
 Address of Supplier Perimeter House, Napier Road
 St Leonards-on-Sea, East Sussex
 TN38 9NY, United Kingdom
 Telephone +44 (0) 1424 857857
 E-mail (competent person) info@plasticapools.net
- 1.4 Emergency Telephone Number**
 Emergency Phone No 0800 043 0891 (Technical) 24 Hours a day
 0800 043 0892 (Emergency)
 Languages Spoken English
- Members of the public seeking specific information on poisons should contact:
 In England and Wales: NHS 111 - dial 111
 In Scotland: NHS 24 - dial 111

SECTION 2 : Hazards Identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008
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- Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
- 2.2 Label elements**
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the GB CLP regulation.
Hazard Pictograms GHS07
Signal Word(s) Warning
Hazard Statement(s) H315 Causes skin irritation.
 H319 Causes serious eye irritation.

2.2 cont..

Precautionary statements

P261 Avoid breathing mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth.
 Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 **Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3 : Composition/Information on Ingredients3.1 **Chemical characterisation:**

Mixtures

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous Components

Substance	CAS No	EC No	EINECS No	%W/W
Non-ionic surfactant	68439-46-3		614-482-0	>2.5-≤10%
2-Butoxyethanol	111-76-2		203-905-0	>2.5-≤10%
Tetrapotassium pyrophosphate	7320-34-5		230-785-7	≤2.5%
Potassium hydroxide	1310-58-3		215-181-3	≤2.5%

Non-ionic surfactant

Eye Irrit. 2, H319

2-Butoxyethanol

Acute Tox. 4, H302;
 Acute Tox. 4, H332;
 Skin Irrit. 2, H315;
 Eye Irrit. 2, H319

Tetrapotassium pyrophosphate

Eye Irrit. 2, H319

3.1 cont..

Potassium hydroxide

Skin Corr. 1A, H314;
Acute Tox. 4, H302

Specific concentration limits:

Skin Corr. 1B; H314: $C \geq 2 \%$
Skin Irrit. 2; H315: $0.5 \% \leq C < 2 \%$
Eye Irrit. 2; H319: $0.5 \% \leq C < 2 \%$ **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

SECTION 4 : First Aid Measures4.1 **Description of first aid measures****General Information:**

After inhalation:

Immediately remove any clothing soiled by the product.

After skin contact:

Supply fresh air; consult doctor in case of complaints.

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

If skin irritation continues, consult a doctor.

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

Information for doctor:

Treat symptomatically and supportively.

4.2 **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

4.3 **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5 : Firefighting Measures5.1 **Extinguishing Media :**

Suitable Extinguishing Agents:

CO₂, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable Extinguishing Media:

Water with full jet

5.2 **Special hazards arising from the substance or mixture :**

Formation of toxic gases is possible during heating or in case of fire.

5.3 **Advice for Firefighters :**

Wear fully protective suit.

Wear self-contained respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

SECTION 6 : Accidental Release Measures6.1 **Personal precautions, protective equipment and emergency procedures :**

Ensure adequate ventilation

Wear protective equipment.

6.2 **Environmental Precautions:**

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

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|-----|--|--|
| 6.3 | Methods and material for containment and cleaning up: | Send for recovery or disposal in suitable receptacles
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). |
| 6.4 | Reference to other sections | See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information. |

SECTION 7 : Handling and Storage

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|-----|---|---|
| 7.1 | Precautions for safe handling | Prevent formation of aerosols.
Ensure good ventilation/exhaustion at the workplace. |
| | Handling | Do not mix with other products. |
| | Information about fire - and explosion protection: | No special measures required. |
| 7.2 | Conditions for safe storage, including any incompatibilities | |
| | Storage | |
| | Requirements to be met by storerooms and receptacles: | Prevent any seepage into the ground
Do not store in aluminium, copper, zinc containers |
| | Information about storage in one common storage facility: | Store away from oxidising agents. |
| | Further information about storage conditions: | Protect from frost.
Store in cool, dry conditions in well sealed receptacles. |
| | Storage class: | 12 |
| 7.3 | Specific end use(s) | No further relevant information available. |

SECTION 8 : Exposure Controls/Personal Protection

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|-----|--|---|
| 8.1 | Control Parameters | |
| | Additional information about design of technical facilities: | No further data; see item 7. |
| | Ingredients with limit values that require monitoring at the workplace: | |
| | 111-76-2 2-Butoxyethanol | |
| | WEL | Short-term value: 246 mg/m ³ , 50 ppm
Long-term value: 123 mg/m ³ , 25 ppm
Sk, BMGV |
| | 1310-58-3 Potassium hydroxide | |
| | WEL | Short-term value: 2 mg/m ³ |
| | Ingredients with biological limit values: | |
| | 111-76-2 2-Butoxyethanol | |
| | BMGV | 240 mmol/mol creatinine
Medium: urine
Sampling time: post shift
Parameter: butoxyacetic acid |
| | Additional information: | The lists valid during the making were used as basis. |

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:

Do not eat, drink, smoke or sniff while working.
 Take note of assigned Workplace Exposure Limits.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves :

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection

Tightly sealed goggles

Body protection:

Protective work clothing

Body protection must be chosen depending on product properties, activity and possible exposure.

SECTION 9 : Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Colour:	Various
Odour:	Mild
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.

9.1 cont..

Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	1.035 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
VOC (EC)	4.80 %

9.2 Other Information:

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10 : Stability and Reactivity
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10.1	Reactivity	No further relevant information available.
10.2	Chemical stability Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications.
10.3	Possibility of hazardous reactions:	No dangerous reactions known.
10.4	Conditions to avoid:	Do not mix with other chemical formulations in their concentrated form.
10.5	Incompatible materials:	Strong acids. Finely powdered metals. Strong oxidising agents
10.6	Hazardous decomposition products:	Carbon monoxide and carbon dioxide Phosphorus oxides (e.g. P ₂ O ₅)

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)	Oral	LD50	13,152 mg/kg
	Inhalative	LC50/4 h	229 mg/l

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12 : Ecological Information

- 12.1 **Toxicity**
Aquatic Toxicity: No further relevant information available.
- 12.2 **Persistence and degradability** The organic portion of the product is biodegradable.
- 12.3 **Bioaccumulative potential** Product is not expected to bioaccumulate.
- 12.4 **Mobility in soil** No further relevant information available.
- General notes:**
Do not allow product to reach ground water, water course or sewage system.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
- 12.5 **Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.
- 12.6 **Other adverse effects** No further relevant information available.

SECTION 13 : Disposal Considerations

- 13.1 **Waste treatment methods**
Recommendation
Recommended Hierarchy of Controls:
Minimise waste;
Reuse if not contaminated;
Recycle, if possible; or
Safe disposal (if all else fails).
Contact waste processors for recycling information.
Used, degraded or contaminated product may be classified as hazardous waste.
Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.
- Uncleaned packaging:**
Recommendation:
Container remains hazardous when empty. Continue to observe all precautions.
Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating.
Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

SECTION 14 : Transport Information

- 14.1 **UN-Number**
ADR, ADN, IMDG, IATA Void
- 14.2 **UN proper shipping name**
ADR, ADN, IMDG, IATA Void
- 14.3 **Transport hazard class(es)**
ADR, ADN, IMDG, IATA
Class Void
- 14.4 **Packing group**
ADR, IMDG, IATA Void

14.5	Environmental hazards: Marine pollutant:	No
14.6	Special precautions for user	Not applicable
14.7	Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
	Transport/Additional information: UN "Model Regulation":	Not dangerous according to the above specifications. Void

SECTION 15 : Regulatory Information
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15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed.
15.2	Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16 : Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2